| In | idex o | f Claims |  |
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|    |        |          |  |

| Application | n/Control No |
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09/783,134

Examiner

Warner Wong

Applicant(s)/Patent under Reexamination

PARK ET AL.

Art Unit

2661

| √ : | Rejected |
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| =   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

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| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      |        |                                                  |                                                  |                                                  | Date         | 9                                                |                                                  |          |             |   | Cla         | im       |                 |          |   |          | Date                                             | 9                                                | _ |
|----------|----------|--------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|----------|-------------|---|-------------|----------|-----------------|----------|---|----------|--------------------------------------------------|--------------------------------------------------|---|
| Final    | Original | 9/7/05 |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   | Final       | Original |                 |          |   |          |                                                  |                                                  |   |
|          | 1        | =      |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 51       |                 |          |   |          |                                                  |                                                  | Γ |
|          | 2        | =      |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 52       |                 |          |   |          |                                                  |                                                  |   |
|          | 3        | -      |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 53       |                 |          |   |          |                                                  |                                                  | Γ |
|          | 4        | -      |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 54       |                 |          |   |          |                                                  |                                                  |   |
|          | 5        | =      |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 55       |                 |          |   |          |                                                  |                                                  |   |
|          | 6        | -      |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 56       |                 |          |   |          | _                                                | L                                                | L |
| <u></u>  | 7        | ŀ      |                                                  |                                                  | L                                                |              |                                                  |                                                  |          |             |   |             | 57       |                 | _        |   |          | _                                                | L                                                | L |
|          | 8        | -      |                                                  |                                                  | L                                                | L            | <u> </u>                                         |                                                  |          |             |   |             | 58       |                 |          |   |          | L                                                | L                                                | L |
|          | 9        | =      |                                                  |                                                  |                                                  | L            |                                                  |                                                  | L        |             |   |             | 59       |                 |          |   |          | L                                                | L                                                | L |
|          | 10       | =      |                                                  |                                                  | _                                                | _            |                                                  |                                                  |          |             |   |             | 60       | Ш               |          |   |          |                                                  | 上                                                | ļ |
|          | 11       | =      |                                                  |                                                  | L                                                | L            |                                                  |                                                  | L_       |             | ŀ |             | 61       | Ш               |          |   |          | L                                                | _                                                | ļ |
|          | 12       | =      |                                                  | L.                                               |                                                  | <u> </u>     | L_                                               |                                                  |          |             |   |             | 62       |                 |          |   |          |                                                  | 匚                                                | L |
|          | 13       | =      |                                                  |                                                  | <u> </u>                                         |              | L_                                               |                                                  |          |             |   | <u> </u>    | 63       |                 | _        |   |          |                                                  | <u> </u>                                         | Ļ |
|          | 14       | =      |                                                  |                                                  | <u> </u>                                         |              | <u>_</u>                                         | _                                                | <u> </u> | _           |   |             | 64       | Ш               | _        |   |          | L.                                               |                                                  | Ļ |
|          | 15       | -      | L                                                |                                                  |                                                  |              | <u> </u>                                         |                                                  | <u> </u> |             |   |             | 65       | Щ               | _        |   |          | _                                                | <u> </u>                                         | Ļ |
|          | 16       | -      |                                                  |                                                  | <u> </u>                                         |              |                                                  |                                                  |          |             |   |             | 66       | $\sqcup$        |          |   |          |                                                  | -                                                | Ł |
|          | 17       | -      |                                                  |                                                  | _                                                | L            |                                                  |                                                  |          |             |   |             | 67       | $\sqcup$        |          |   |          |                                                  | ₩                                                | Ł |
|          | 18       | =      |                                                  |                                                  |                                                  | L            |                                                  |                                                  |          |             |   |             | 68       |                 |          |   |          |                                                  | _                                                | Ļ |
|          | 19       | =      |                                                  | _                                                | <u> </u>                                         | <u> </u>     | ļ                                                |                                                  | _        | _           |   |             | 69       | Ш               | $\dashv$ |   | <u> </u> | _                                                |                                                  | Ļ |
|          | 20       | =      |                                                  | _                                                | <u> </u>                                         | _            | L                                                | _                                                | <u> </u> |             |   |             | 70       |                 | _        |   | _        |                                                  | _                                                | Ļ |
|          | 21       | =      | _                                                |                                                  | <u> </u>                                         | _            |                                                  | <u> </u>                                         |          | _           |   |             | 71       |                 | _        |   | _        | <u> </u>                                         |                                                  | Ļ |
|          | 22       | =_     |                                                  |                                                  | _                                                |              |                                                  |                                                  |          |             |   |             | 72       | $\sqcup$        |          |   | <u> </u> | <u> </u>                                         |                                                  | Ļ |
|          | 23       | -      |                                                  | ļ                                                | <u> </u>                                         |              |                                                  | <u> </u>                                         | _        |             |   | <u> </u>    | 73       | Ш               | _        |   | <u> </u> | -                                                | ļ                                                | Ļ |
|          | 24       | -      |                                                  | <u> </u>                                         | <u> </u>                                         |              |                                                  | <u> </u>                                         |          |             |   |             | 74       | Ш               | _        |   | <u> </u> | <u> </u>                                         |                                                  | Ł |
|          | 25       | =      | _                                                | _                                                | _                                                | <u> </u>     |                                                  |                                                  | _        |             |   | ļ           | 75       | $\vdash$        | _        |   | <u> </u> | ├                                                |                                                  | ╀ |
| <u> </u> | 26       | -      | _                                                | <u> </u>                                         | <u> </u>                                         |              |                                                  |                                                  | _        |             |   | <u> </u>    | 76       | $\vdash \vdash$ | _        |   |          | ⊢                                                |                                                  | Ļ |
| <u> </u> | 27       | -      |                                                  | -                                                | ┞                                                | -            |                                                  | -                                                | -        |             |   | <u> </u>    | 77       |                 | $\dashv$ |   | <u> </u> | ┢                                                | -                                                | ╀ |
| -        | 28       | Ŀ      |                                                  | ⊢                                                | ⊢                                                | _            |                                                  | _                                                | ┝        |             |   | <u> </u>    | 78<br>79 | Н               | -        |   |          | ├                                                | ⊢                                                | ╀ |
| -        | 29<br>30 | =      | H                                                | ⊢                                                | <u> </u>                                         |              | ⊢                                                | -                                                | ├        | -           | 1 |             | 80       | $\vdash$        | $\dashv$ |   |          | ┢                                                | ┝                                                | ╀ |
| $\vdash$ | 31       | ₩-     | <del> </del>                                     |                                                  | ⊢                                                | -            | -                                                | $\vdash$                                         | $\vdash$ | -           |   |             | 81       | $\vdash$        | $\dashv$ | _ |          | -                                                | ⊢                                                | ł |
|          | 32       | =      | ⊢                                                | ⊢                                                | ┢                                                | $\vdash$     | ┝                                                | -                                                | $\vdash$ |             |   | <b></b>     | 82       | Н               | -        |   | ⊢        | ⊢                                                | ├─                                               | ╁ |
| $\vdash$ | 33       | =      | -                                                |                                                  | ┢                                                | -            | $\vdash$                                         | -                                                |          | <del></del> | ł |             | 83       | $\vdash$        |          |   | -        | -                                                | ⊢                                                | t |
| $\vdash$ | 34       | =      | $\vdash$                                         | ├                                                | $\vdash$                                         | <del> </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$    | ł | <u> </u>    | 84       | $\vdash$        | -        | - | -        | ╁                                                | $\vdash$                                         | + |
| $\vdash$ | 35       | -      | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | $\vdash$     | $\vdash$                                         | <del>                                     </del> |          | $\vdash$    | 1 | <del></del> | 85       | $\vdash$        | $\dashv$ |   | $\vdash$ | ╁                                                | <del>                                     </del> | t |
|          | 36       | -      | $\vdash$                                         | $\vdash$                                         |                                                  | $\vdash$     | $\vdash$                                         | $\vdash$                                         |          | Н           | 1 | $\vdash$    | 86       | $\vdash$        |          |   |          | <del>                                     </del> | <del> </del>                                     | t |
|          | 37       | -      | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | $\vdash$     | $\vdash$                                         | $\vdash$                                         | <u> </u> | $\vdash$    | 1 | $\vdash$    | 87       |                 |          |   | $\vdash$ | +-                                               | <del> </del>                                     | t |
|          | 38       | ŧ      | $\vdash$                                         | <del>                                     </del> | <del>                                     </del> | $\vdash$     | t                                                | H                                                |          | $\vdash$    | l | -           | 88       | $\vdash$        |          |   | ┢        | <u> </u>                                         | $\vdash$                                         | t |
|          | 39       | =      | <del>                                     </del> | H                                                | Н                                                |              | $\vdash$                                         | T                                                | <u> </u> |             | 1 | <u> </u>    | 89       | H               | $\neg$   |   | $\vdash$ | 1                                                |                                                  | t |
| <b>—</b> | 40       | =      |                                                  |                                                  | Ħ                                                | T            | $\vdash$                                         | $\vdash$                                         | <u> </u> | $\vdash$    |   |             | 90       | $\vdash$        |          |   | $\vdash$ | T                                                | <u> </u>                                         | t |
|          | 41       | =      | T                                                |                                                  | Ħ                                                |              |                                                  | Т                                                |          |             | 1 |             | 91       | П               |          |   |          | T                                                | T                                                | T |
|          | 42       | =      |                                                  |                                                  | t                                                |              | 广                                                | <u> </u>                                         | $\vdash$ | _           | 1 |             | 92       | П               |          |   | Г        |                                                  | 1                                                | Ť |
|          | 43       | =      |                                                  |                                                  | T                                                |              |                                                  | Т                                                |          | Г           | 1 |             | 93       | П               |          |   | Г        | Г                                                | Π                                                | T |
|          | 44       | 1-     |                                                  |                                                  | T                                                | Π            | Π                                                | 1                                                | Г        |             | 1 |             | 94       | П               |          |   |          |                                                  | П                                                | T |
|          | 45       | 1      |                                                  |                                                  | Π                                                |              | Г                                                | <u> </u>                                         |          |             | 1 |             | 95       | П               |          |   |          |                                                  | Г                                                | T |
|          | 46       | 1      |                                                  |                                                  | Γ                                                | Γ            | Π                                                |                                                  |          |             | ] |             | 96       |                 |          |   |          |                                                  |                                                  | T |
|          | 47       |        |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             |   |             | 97       |                 |          |   |          |                                                  |                                                  | Ι |
|          | 48       |        |                                                  |                                                  |                                                  |              | Ĺ                                                |                                                  |          |             |   |             | 98       |                 |          |   |          |                                                  |                                                  | Ι |
|          | 49       |        |                                                  |                                                  | ·                                                |              |                                                  |                                                  |          |             |   |             | 99       |                 |          |   |          | Ĺ                                                |                                                  | Ι |
|          | 50       |        |                                                  |                                                  |                                                  |              |                                                  | Ľ                                                |          |             | ] |             | 100      |                 |          |   |          |                                                  |                                                  | Ι |
|          |          |        |                                                  |                                                  |                                                  |              |                                                  |                                                  |          |             | - |             |          |                 |          |   |          | _                                                |                                                  | _ |

| Cla      | im       | Date     |                                                  |          |          |          |             |          |          |                                                  |
|----------|----------|----------|--------------------------------------------------|----------|----------|----------|-------------|----------|----------|--------------------------------------------------|
|          |          |          |                                                  |          | $\neg$   |          |             |          |          |                                                  |
| Final    | Original |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 51       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 52       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 53       | Ш        |                                                  |          |          |          |             |          |          |                                                  |
|          | 54<br>55 | Н        | _                                                | _        |          |          |             |          |          |                                                  |
|          | 56       |          | _                                                |          |          |          |             |          |          |                                                  |
|          | 57       |          |                                                  | -        |          | $\vdash$ | $\vdash$    | -        | _        |                                                  |
|          | 58       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 59       | _        |                                                  |          |          |          |             |          |          |                                                  |
|          | 60       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 61       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 62<br>63 | _        |                                                  |          |          |          |             |          |          |                                                  |
| -        | 64       |          |                                                  |          |          |          |             |          | _        |                                                  |
| -        | 65       |          |                                                  |          |          |          | -           | _        |          |                                                  |
|          | 66       |          |                                                  | _        |          | -        |             |          | _        |                                                  |
|          | 67       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 68       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 69       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 70       |          |                                                  |          |          |          |             |          |          | _                                                |
|          | 71<br>72 | <u> </u> |                                                  |          |          |          |             |          |          |                                                  |
| _        | 73       | -        |                                                  | -        | _        |          |             |          |          |                                                  |
| _        | 74       | $\vdash$ |                                                  |          | _        |          |             |          |          |                                                  |
|          | 75       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 76<br>77 |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 77       | ļ        |                                                  |          |          |          |             |          |          |                                                  |
| -        | 78<br>79 |          |                                                  |          |          |          | _           |          |          |                                                  |
| -        | 80       | $\vdash$ | _                                                |          | _        |          |             |          |          |                                                  |
| <u> </u> | 81       |          |                                                  | -        | -        | -        |             |          |          |                                                  |
|          | 82       |          |                                                  |          |          | Г        | _           |          |          |                                                  |
|          | 83       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 84       |          |                                                  | Ľ        |          | L.,      | _           |          | _        |                                                  |
| <u></u>  | 85       | <u> </u> | _                                                | L        |          | <u> </u> |             | <u> </u> | _        | <u> </u>                                         |
| -        | 86<br>87 | <u> </u> |                                                  | H        | <u> </u> |          | -           | -        |          | <u> </u>                                         |
| -        | 88       | <u> </u> | -                                                |          |          |          |             | H        |          | ┢                                                |
| <b> </b> | 89       | $\vdash$ | Н                                                | $\vdash$ |          | Н        | <del></del> |          | _        | Т                                                |
|          | 90       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 91       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 92       | _        | _                                                | _        |          | <u> </u> |             |          |          | _                                                |
| -        | 93       | _        |                                                  |          | _        | $\vdash$ | $\vdash$    |          | H        | <u> </u>                                         |
|          | 94<br>95 | -        | <del>                                     </del> | $\vdash$ |          |          | $\vdash$    | $\vdash$ | -        | -                                                |
|          | 96       | -        | $\vdash$                                         | $\vdash$ |          | $\vdash$ | ┈           |          | Н        | $\vdash$                                         |
|          | 97       |          |                                                  |          |          |          |             |          | $\vdash$ | <del>                                     </del> |
|          | 98       |          |                                                  |          |          |          |             |          |          |                                                  |
|          | 99       |          | _                                                |          |          | L        |             | <u> </u> |          | L                                                |
| 1        | 100      | l        | i                                                | l        |          | l        | l           | l        | ı        | 1                                                |

| Cli         | aim                             | Date                                |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|-------------|---------------------------------|-------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|----------|----------------|--------------|--|
|             |                                 |                                     |          |                                                  |                                                  |                                                  |          |          |                | $\dashv$     |  |
| Final       | Original                        |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 101<br>102<br>103               |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 102                             |                                     |          | Г                                                |                                                  |                                                  |          | ٠        |                |              |  |
|             | 103                             |                                     |          |                                                  |                                                  |                                                  |          |          | L              |              |  |
|             | 104<br>105<br>106               | Щ                                   |          |                                                  |                                                  | _                                                |          |          |                |              |  |
|             | 105                             |                                     |          |                                                  |                                                  |                                                  | Ш        |          |                | _            |  |
|             | 106                             |                                     |          |                                                  |                                                  |                                                  |          |          | _              | $\dashv$     |  |
|             | 107<br>108                      |                                     | -        | _                                                |                                                  |                                                  |          | —        | _              | $\dashv$     |  |
|             | 100                             | Н                                   |          | _                                                |                                                  |                                                  |          | _        | _              | $\vdash$     |  |
|             | 109<br>110<br>111               |                                     |          |                                                  |                                                  |                                                  |          |          | _              | $\dashv$     |  |
|             | 111                             |                                     |          |                                                  |                                                  | _                                                | _        |          |                | Н            |  |
|             | 112                             | $\vdash$                            |          |                                                  |                                                  |                                                  |          |          | <del> </del>   | $\vdash$     |  |
|             | 112<br>113                      |                                     | -        |                                                  |                                                  | $\vdash$                                         |          | _        | $\vdash$       | $\dashv$     |  |
|             | 114                             |                                     |          | _                                                |                                                  | -                                                |          |          |                | Н            |  |
|             | 114<br>115                      |                                     |          |                                                  | -                                                |                                                  |          |          |                |              |  |
|             | 116                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 117<br>118                      |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 118                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 119                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 120                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 121                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 120<br>121<br>122<br>123<br>124 |                                     |          |                                                  |                                                  |                                                  |          |          | <u> </u>       |              |  |
|             | 123                             |                                     |          |                                                  |                                                  |                                                  |          |          | L              |              |  |
|             | 124                             |                                     | L_       |                                                  |                                                  | _                                                |          |          | <u> </u>       |              |  |
|             | 125<br>126<br>127               | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        | <u> </u>                                         | <u> </u>                                         | _                                                |          |          |                | Ш            |  |
|             | 126                             | _                                   |          | _                                                |                                                  |                                                  |          |          | ⊢              | Ш            |  |
| <u> </u>    | 127                             | <u> </u>                            | ļ        |                                                  |                                                  | _                                                |          |          | <u> </u>       | -            |  |
|             | 128<br>129<br>130               | -                                   | ┝        | -                                                |                                                  | -                                                |          |          | -              | H            |  |
|             | 129                             | -                                   | -        | ┝                                                | ⊢                                                | -                                                | H        | $\vdash$ | ┝              | Н            |  |
|             | 130                             | _                                   | ┝        | $\vdash$                                         | $\vdash$                                         |                                                  |          | $\vdash$ | $\vdash$       | Н            |  |
|             | 131<br>132                      |                                     |          | -                                                | -                                                | -                                                | $\vdash$ | ┢        | $\vdash$       | Н            |  |
|             | 133                             |                                     | -        |                                                  |                                                  |                                                  | $\vdash$ | $\vdash$ |                | Н            |  |
| <del></del> | 133<br>134                      |                                     |          |                                                  |                                                  |                                                  | $\vdash$ | -        |                | Н            |  |
|             | 135                             | $\vdash$                            |          |                                                  | <del>                                     </del> |                                                  |          |          |                |              |  |
|             | 136<br>137<br>138               |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 137                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 138                             |                                     |          |                                                  |                                                  |                                                  |          |          |                | Ţ            |  |
|             | 139                             |                                     |          |                                                  |                                                  |                                                  |          |          |                |              |  |
|             | 140                             | L                                   |          |                                                  | _                                                |                                                  |          |          |                | Ш            |  |
|             | 141                             |                                     |          | <u> </u>                                         |                                                  |                                                  |          |          |                | Ш            |  |
|             | 142                             | _                                   | <u> </u> | <u> </u>                                         | <u> </u>                                         | _                                                |          | <u> </u> | _              |              |  |
|             | 143                             | <u> </u>                            | <u> </u> | _                                                | <u> </u>                                         | $\vdash$                                         | <u> </u> | -        | ├-             | _            |  |
|             | 144                             |                                     | <u> </u> | $\vdash$                                         | $\vdash$                                         | <del>                                     </del> | <u> </u> | <u> </u> | <del> </del>   | _            |  |
|             | 145                             | ├                                   | ├        |                                                  | ⊢                                                | -                                                | $\vdash$ | -        | ├              | <del> </del> |  |
|             | 146<br>147                      |                                     | ├        | -                                                | -                                                | -                                                | -        | ├        | <del> </del> - | -            |  |
|             | 147                             | <u> </u>                            | $\vdash$ | ⊢                                                | -                                                | ╁                                                | ├        | -        | $\vdash$       | -            |  |
|             | 149                             | 1                                   | -        | -                                                | $\vdash$                                         | -                                                | $\vdash$ | -        | -              | $\vdash$     |  |
|             | 150                             | ╁                                   | ├─       | <del>                                     </del> | $\vdash$                                         | $\vdash$                                         | $\vdash$ | ┢        | $\vdash$       | -            |  |
|             | 1.100                           | Щ_                                  |          | _                                                |                                                  | Ц                                                | Щ.       | Щ        | L.             | Ц            |  |